FOR MYSORE STATE

5,096 - 31-1-58.

Agriculture (1956) Department.

Ms SERIES.

G.O. No. 1372

Pages

Dated 30-5-1958

18

Go at p 234

[Despatch Abstract.]

Agri - Research - Agrl Research Stations, ~~Pilicode~~, Pilicode, Nileshwar II and Nileshwar III Further Continuance-Sanctioned

To BI

Department of Agriculture.

From
Sri P.P.I. Vaidyanathan,
Bar-at-law, I.C.S.,
Director of Agriculture,
Chepauk, Madras.5

To
The Secretary to Government,
Agriculture Department,
Fort St.George,
Madras.9.

No.D.5.2352/55 dated 4.2.1956.

Sir,

Sub: Agriculture - Research - Agricultural Research Stations, Pilicode, Nileshwar II and Nileshwar III - continuance proposals - submitted -

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Ref: G.O.Ms.1348 Agriculture dated 17.5.1955.

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In the G.O.cited above, sanction was accorded for the continuance of the Agricultural Research Station at Pileicode, Nileshwar II and Nileshwar III upto 29.2.56. I submit below proposals for the further continuance of these stations for a period of one year beyond 29.2.56.

After the opening of ~~the~~ these stations in 1916, several important experiments have been carried out on coconut. Based on the results of many of the cultural and manurial experiments conducted in these stations, the Department is advocating the improved methods of coconut cultivation. As the cent country is still deficit in coconut products and as the house demand for these products both for industrial and domestic purposes is steadily increasing the importance of increasing coconut production needs careful consideration. Manurial and cultural treatments have shown definite improvement in coconut yield. Further work on these lines on this important cash crop is considered quite essential. Improving coconut by hybridisation has shown possibilities from the work done in these stations. Numerous ryots interested in coconut cultivation and many scientists doing research on coconut in different parts of India and Ceylon, visit these stations and get useful information from the results achieved here.

Expenditure and Receipts: These three stations represent three ~~different~~ different types on which coconut is cultivated on the west coast.

Pilicode - Laterite gravelly soil on hil slopes.
Nileshwar II - Red sandy loams.
Nileshwar III - Barren litteral sand along the coast.

The three stations taken as one unit, are under the administrative and technical control of the Superintendent, whose headquarters is at Nileshwar II. The station-wise figures of recurring expenditure under working expenses, dearness allowance to manials and other contingencies and the station-wise receipts under different heads are furnished in Statement I and II respectively for the past three years. It may be seen from statement I that recurring expenditure has been reduced to the minimum in1954-55. The total receipts derived from these three stations is almost commensurate with the total expenditure in 1954-55. The main source of income at these stations is by sale of coconuts. As the yield of coconuts is increasing at Nileshwar II due to the application of special dose of organic manures and at Nileshwar III due to the irrigation of the gardens by the installation of filter points, the receipt of the stations may increase in the coming years and it is expected that the stations may become self sufficient in the course of next few years.

Agricultural Research Station, Pilicode: The station at Pilicode is making a profit for the past three years taking into consideration only the expenditure on working expenses and contingencies. The successful cultivation of coconut on hill slopes and getting, subsidiary income by raising intercrops like dry paddy, varagu, horsegram, groundnut, tapioca and pineapple are demonstrated at the station. The other noteworthy findings of the station are the beneficial effect of husk burial, study of exotic varieties e resulting in the spotting out of a few economic

types suitable for large planting as well as for hybridisation. The important problems still under trial at this station are the manurial and cultural practices to be adopted in gravelly soils and study of the second generations for Tall x Dwarf hybrids and growing of pepper on coconut. Further work proposed to be taken at this station are study of Tall x Dwarf and the reciprocal cross progenies of ~~new~~ known parentage and method of selection of seednuts and quality of the seedlings and further studies on the exotic varieties and their progenies An elaborate cultural-cum-manurial experiment on coconut to be recommended by the Statistical. Adviser to the Government of India is also to be taken up.

To meet the increasing demand for Tall x Dwarf and exotic variety seedlings, the mother palms of this Station are utilised for producing seed material to raise seedlings in the nursery for distribution. ~~Fruit~~ Fruit plants, green manure seeds and cuttings, fodder grass seeds and slips are also produced for distribution. The public are thus benefitted by getting their requirements of these from this station.

Agricultural Research Station, Nileshwar II:- The coconut palms of this station suffered badly due to poor nature of the soil and severe summer conditions. The production and incorporation of special dose of green manure to the soil show signs of improvement of these young palms. The yield is also steadily increasing as shown in the following statement:-

Year	No. of nuts produced.
1953	7831
1954	9203
1955 (upto and of October)	9568

More than thousand nuts are expected from the harvests of the remaining months in 1955. Many of the young palms planted after 1942 have not yet come to normal bearing and when they begin to produce normally, the receipts of the station may increase. The expenditure of this station also has been brought down to the minimum in 1954-55.

The important problem under study at this Station is breeding work in coconut. The spotting out of Tall x Dwarf hybrid which combins the early bearing and high yield of the Dwarf and the desirable ~~nt~~ nut and copra character of the Tall is an outstanding achievement of the Station. The demand for the hybrid seedlings is very high and large production and distribution of these is one of the ways to step up production in the country. Further study of these F, F1 progenies of Tall x Dwarf for their life period is quite essential to assess the full worth of this hybridisation work. Besides these, other cross progenies are under study. The cyclic crosses of different character combinations were planted in 1934 and 1935 and some good combinations are found promising. Some had produced poor progenies which were grubbed out in 1953 and the area thus released is proposed to be planted with Tall x Dwarf progenies and with progenies of other promising palms as per the indications obtained from previous studies. progenies of parents of 6 different yield groups under three different methods of pollination, planted in 1942 at this station are still in the initial stages of sutdy as many have not yet come to normal bearing though some noteworthy indications have been obtained from the study of vegetative characters. Further study of these progenies may produce results of ~~ninetysix~~ economic importance. A few hybrid seedlings from exotic varieties are also coming up vigorously and show posibilities. Ninetysix progenies of high yielding palms of ryots holding planted in 1954 are also under study. In addition to the above items, growing of subsidiary crops like groundnut, horsegram and tapioca have given additional income which is of demonstration value to the public. Production and distribution of fruit plant; vegetable seeds, seeds and cuttings of green manure and fodder crops in large quantities to the

growers have increased the utility of this Station to the public.

Agricultural Research Station, Nileshwar III: The soil at the Station is poor litteral sand with low water table. The trees at the Station were very poor in condition with practically no yield, in spite of all possible manurial and cultural trials to improve the yield. But in recent trials conducted at the station, it was found possible to increase the yield of coconut by irrigation by the installation of filter points. The increase in yield of coconuts for the past three years in Blocks II which have been brought under irrigation and the yield of the whole station can be seen from the following statement:-

Blocks	Yield of coconuts 1952	1953	1955 upto October) 1954		1955 (upto October.) 1954	
II	890	2523	5545	2253	5545	2253
All blocks	4888	8043	11286	6549	11286	6549

Two more filter points have been installed each supplying 9000 and 12000 gallons per hour for irrigating blocks III and Iv. When all the blocks of this station are irrigated in this manner, the annual yield of coconut is expected to increase considerably and the station may make profit. This station has been conducteding trials with coir filter points and it is heartening to find that the attempts have resulted in success when 4 filter points have given over 8000 gallons of water per hour. Further trials on these are in progress. The results of these will be of importance as large areas of coconut are located in such sandy soils and recommendations may be made to them for adoption.

An irrigation-cum-manurial experiment has been proposed to be laid out at the station to find out the optimum dose of manure and the interval of irrigation for such sandy tracts.

An other important feature of this station is the production and distribution of 10000 seedlings of both west coast tall and exotic varieties of economic importance. As the demand for these seedlings is increasing, a proposal to increase the target to 20000 seedlings has been submitted for sanction.

One of the coconut nurseries jointly financed by the Government of Madras and the Indian Central Coconut committee is located in this station, with an annual target of 40,000 seednuts to distribute 30,000 quality seedlings to the public of Madras State. As the demand for these seedlings is increasing every year, the annual target of this nursery has been increased in the Second Five Year Plan to 64,000 seednuts to distribute 48,000 quality seedlings to the public of Madras.

An important experiment to find the correct depth of planting of coconut seedlings is in progress in the Station. A manurial trial on cashewnut tree is also conducted.

Production and distribution of superior varieties of mango grafts, other fruit plants, seeds of vegetables, seeds and cuttings of green manure crops give additional income to the station, as well as demonstration value to the public.

These three stations are frequently visited by ryots who are benefitted by acquiring the knowledge of improved methods of coconut cultivation. Numerous enquiries on all aspects of coconut cultivation are being received and their needs met. The cheapest way of improving the fertility of coconut gardens is demonstrated in all the three stations by the growing in situ of a green manure-cum-cover crop like Calopogonium mucunoides and growing Gliricidia maculata and Indigofera teysmanii on the borders of the fields.

As Nileshwar has come under the National Extension Scheme all the three stations will play a leading role in the supply of quality seedlings, seeds and cuttings through the newly posted National Extension Workers

in future.

The benefits derived by the public by the achievements of these stations are so important that they are worth continuing for more years and be of service to the public and to the scientists.

2. For the reasons stated above, I request that Government may be pleased to sanction the continuance of these three coconut stations at Pilicode, Nileshwar II and Nileshwar III for a further period of one year from 1.3.1956 to 28.2.57.

I request early orders.

Sd. K.C.Naik,
for Director of Agriculture.

(By order)

rnr/4/2/56

Gazetted Assistant.

Statement I

Details showing the recurring expenditure of Agricultural Research Stations, Pilicode, Nileshwar II and Nileshwar III.

Head of account	1952-53 Financial year				1953-54 Financial year				1954-55			
	Pilicode	Nileshwar II	Nileshwar III	Total	Pilicode	Nileshwar II	Nileshwar III	Total	Pilicode	Nileshwar II	Nileshwar III	Total
Other charges:												
Working expenses	10030/-	10295/-	7545/-	27870/-	6926/-	5498/-	5073/-	17497	6683/-	5474/-	5140/-	17297/-
Office contingencies:												
Dearness allowance to menials	856/-	1078/-	881/-	2815/-	895/-	1041/-	820/-	2756	914/-	1021/-	997/-	2932/-
Other contingencies:	729/-	831/-	28/-	1588/-	35/-	265/-	38/-	338/-	27/-	197/-	35/-	259/-

Sd. K.C.Naik,
for Director of Agriculture.

(By order)

fnr/4/2/56.

Gazetted Assistant.

Statement II

Statement showing the receipts of Agricultural Research Stations, Pilicode, Nileshwar II and III.

Head of account	1952-53 Financial year Pilicode	Nileshwar II	Nileshwar III	Total	1953-54 Pilicode	Nileshwar II	Nileshwar III.	Total	1954-55 Pilicode	Nileshwar II	Nileshwar III	Total
XXIX.Agri.Agrl.Receipts:												
Agricultural Stations	10727	1834	2369	14930	7639	2638	3748 14986	4025 9548	9548 2421-	2421 4383	4383	16352
Miscellaneous	300	642	232	1174	285	960	506	1751	343	423	142	908
Rent on buildings	2	51	.	53	1	33	..	34	3	43	.	46
Recoveries of over payments	..	10	-	10	4	20	3	27	-	-	-	nil
Total	11029	2537	2601	16167	7929	3651	4257	15837	9894	2887	4525	17306
Duduct refund: net	..	..	..	..	..	..	13	13	..	..	..	..
Total/receipts	11029	2537	2601	16167	7929	3651	4244	15824	9894	2887	4525	17306
Value of seeds, seedlings.etc sent outside on transfer:	319	603	537	1459	373	713	331	1417	193	663	684	1540
Total	11348	3140	3138	17626	8302	4364	4575	17241	10087	3550	5209	18846
Value of seeds, seedlings etc. on trarsfer within stations:	827	225	131	..	2174	704	67	..	2342	151	50	.
Grand total	12175	3365	3269	..	10476	5068	4642	..	12429	3701	5259	..

Sd.H.S. Naik,
for Director of Agriculture.

(By order)

6-2-56

Gazetted Assistant.

3/12

Agri (B II) Dept

15

T.M. No 10586 B II / 56-2D 10/4/56

To the D.A. Madras 5.

Sub: Agr - Research - Agril Research Station at Pilicode, Nileshwar II and Nileshwar III Continuance

Ref. Your letter No D.5.2352/55 d 4.2.56.

Please quote urgently the number and date of the G.O.I. in which the temporary staff, if any, in the Agril Research Station at Pilicode, Nileshwar II and Nileshwar III are being continued beyond 29.2.56

Please 10/4/56

T.M. 11-4-56

Appl 7 c/

Date- also to go (NR 4 days)

9/4/56

10/4/56

105-56

O.F. 304.

OFFICE OF THE

Date

TO ASSISTANT SECRETARY TO

Hours Minutes

FIRST ASSISTANT SECRETARY TO 17 APR 1956 AGRICULTURE

TELEPHONIC MESSAGE

From The Dy Ag Madras

To 33622 The Ag. Agri Dept

T.M.D.5 2352/55 d 17.4.56 Srhi A.R.S.S. Pillicode & Nileshwaram II and Nileshwaram III continuance

Ref. Govt TM. d 11.4.56 on Go.Ms.73 Agri d 10.1.56 sanction was accorded for the continuance of 2 temporary posts of peons, one at Pillicode and another at Nileshwaram III for a further period of one year from 1.3.56 to 28.2.57.

[Please write on both sides

9,996 Blks.—20-1-56.

16/4/56.

Office of the Director of Agriculture,
Chepauk, Madras, d/ 17.4.'56.

Post copy of Telephonic Message dated 17.4.'56.

From
The Director of Agriculture, Chepauk, Madras.

To
The Assistant Secretary to Government, Agriculture Department,
Fort Saint George, Madras-9.

ASST SECRETARY TO GOVERNMENT
33622A
20 APR 1956
AGRICULTURE DEPARTMENT

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Sub:- Agricultural Research Stations, Pilicode, [illegible] and Nileshwar III
Ref:- Government's Telephonic Message dated 11.4.'56.

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In G.O. No. Ms. 73 Agriculture Department dated 10.1.'56 sanction was accorded for the continuance of two temporary posts of peons one for Pilicode and another for Nileshwar III for a further period of one year from 1.3.'56 to 28.2.'57.

(Sd.) V.K. Appaji,
for Director of Agriculture.

Endt. No. D.5. 2352/55 dated 17.4.'56.

Post copy in confirmation.

By Order)

GSR/18.4.

for G.R. Appaji 19.4.56.
Gazetted Assistant.

Agri (B II)

Memo No. 10586 B II/56-3
dt 14.5.57

Subj: Agri. A.R. Stns. at Pulicode, Nileshwar II and Nileshwar III
Particulars of staff – called for

Ref: From the D.A. T.M dated 17.4.56.

The D.St. is requested to state

(a) the number of staff technical, ~~and~~ nontechnical and persons working at the A.R. Stns under reference

(b) the particulars of permanent and temporary posts ~~and~~ among them.

(c) the ~~G.O~~ number and date of the G.O or G.Os in which the above staff was last sanctioned or made permanent.

As the case may be
A very urgent reply is requested

To
The D.A
Ko 3 rivers

Agri (B II) Dept

Abstract

Agriculture – Research – Agl. Research Stations, Pilicode, Nileshwar II and Nileshwar III – For their continuance – Sanctioned.

Read again:– GO Ms No. 1348 Agri dt 17.5.55

Read also:– From the DA letters No. D5 23528/55 dt 4.2.56 & dt 2.3.56

Order Ms No. 1372 Agri dt 30.5.56

In the circumstances reported by the DA in his letter read above, the Govt sanction the continuance of the Agricultural Research Stations at Pilicode, Nileshwar II and Nileshwar III for a further period of one year from 1-3-56.

2) The action of the DA in having continued the Schemes beyond 29.2.56 in anticipation of Govt sanction is approved.

By Order,

Sd/-

Section Officer.

To the DA, Madras.

(a copy of DA's letter).

Copy to Fin (Exp) Dept.

Copy to Fin (Exp) Dept.

Agri VD 10586/B II/56-1

26.3.56

ADDITIONAL DEPUTY SECRETARY TO GOVERNMENT
27
27 MAR 1956
FII 21289
FINANCE DEPARTMENT

CENTRAL DESPATCH BRANCH
Received by Post.
Despatched by Messenger.
Date 1356
Despatcher's Initials.

– Fin (SW)

The draft order overleaf may be accepted:

FIRST ASSISTANT SECRETARY TO GOVERNMENT
31 MAR 1956
27925
AGRICULTURE DEPARTMENT

25/3/56.

Agn (LBS) Asst

Finance U.O
31289 E II – 1
29/3/56

The draft order overleaf may now issue

that sanction be accorded for the staff for the Statistical Section and they form permanent ones of the sanction be accorded for the temporary staff separately.

Ms 73
10.1.56.

With reference to the query of A.S. above, it is submitted that the Govt have sanctioned the further continuance of ~~two~~ temporary posts of Peon ~~at~~ at the rate of one for each of the two the Agrl. Research Station at Pilicode and Nileshwar III for a period of one year from 1.3.56. [Vide G.O. Ms 73 Agri dd 10.1.56]. As regards the

copy at (A)

..P.T.O.

T 38/56

Agrl Research Station at Nileshwar III, information is not readily available. The draft T.M. below to the D.A. is submitted for approval

9.4.56 9/4/56

10/4/56

p15g Issued as T.M. of 11-4-56.

p19g From the DA T.M. of 17-4-56.

Please see the reply T.M. of the D.A. at p. 19 g to the Govt T.M. at p. 15 g. The D.A. is speaking only about peons and about no other staff. The point about staff requires further clarification. The sanction for the continuance of the A.R. Stations need not be delayed on this account. The draft ~~order~~ at p 1 above may be issued. Simultaneously relevant extracts may be given to P&T for pursuing the question regarding staff. For orders.

21/4/56 23/4/56

Put up a note for circulation giving the background & history briefly.

DI now 8/A

Thro P&T W* to A' alone to add, if any, before typing.

3/5/56 (3) 30/5/56

There is no proposal regarding staff. The information* should be circulated for expressing A-S' query unparalleled

7/5/56

105/56/5

4

Rembld

It is for consideration whether in view of A on p. 3 above, a Reference may issue to the D.A enquiring about the staff before putting up a note for circulation or whether the point about the staff may be omitted from the circulation note. Subject to orders a draft memo to the D.A is submitted for approval.

8.5.57

Issue memo and without waiting for a reply take action on ~~at~~ 'A' above

Issued as Memo No. 105/56/B II/58.3 dt. 14.5.57

NOTE FOR CIRCULATION.

This case deals with the continuance of the Agrl. Research Stations Schoen, Pilicode, Nileshwar II and Nileshwar III during the year 1956-57 also.

The above Research Stations were continued vide G.O.MS.1348 Agri. dated 17.5.55. The nature of work done at these Research Stations is stated below briefly:-

Pilicode: At this Station there are valuable Coconut palm parent trees which are being utilised in the hybridisation scheme and for the production of Tall×Dwarf cross progenies. The exotic varieties of coconut collected from representative tracts all these years are being reared and observed for various economic characters. Seednuts from promising ones are collected for further propagation.

4

Jop 64-66 (D) All the important cultural and manurial experiments ~~envisaged in the current (1954-56) three years programme of research~~ on coconut have been laid out at this Station and are in progress. These experiments are expected to yield results of considerable value to the growers. The Pilicode Station is one of the few Research Stations in the Department which are capable of earning sufficient revenue to make them self-supporting.

(2) Nileshwar II: This Station is now being used mainly for planting and study of the progenies of the numerous crosses effected with the specific objective of combining the desirable features now found spread over the different forms of certain exotic varieties and selected mother palms of the West Coast tall variety are also being planted and observed. This Station is also the headquarters of the Superintendent who is in charge of all the three Research Stations.

(3) Nileshwar III: With the installation of filter points at this Station the water supply for irrigation purposes has improved considerably. This opens up a new avenue for investigating the problem of improving the poor coconut gardens raised on sandy soils by judicious manuring and irrigation. The results accruing from such an investigation are bound to be of great benefit to the growers who have raised coconuts on such soils with a low water table and are not able to get any remunerative returns. Further, this station is eminently suited for raising a coconut nursery which forms an important step in the development of the coconut industry in this State.

2. The following are some of the other items of work in the coconut stations which are mainly intended to improve the plantations and at the same time economise experiments and improve receipts:

F.P. 64-'54 (D)

(a) In hybridisation work, the production of Tall x Dwarf progenies is an outstanding achievement of these stations, which will step up yields appreciably.

(b) Trial of groundnut under rainfed conditions both under coconut shade and in the open has been indicated to be a success, since an acre yield of nearly 2,500 lbs. of pods has been recorded.

(c) The possibility of growing subsidiary crops like dry paddy, tapioca and pine-apple has been demonstrated. It was also established that growing of these crops did not affect the yield of coconuts.

(d) Calapogonium and Peuraria have been found to be good green manure and cover crops for coconut gardens.

(e) To ward off the evil effects of leaving the land in the coconut garden without inter-cultivation, growing of Calapogonium in 16' wide strips in the centre of the rows of trees leaving 4' from the trees, is being tried in all the 3 stations.

(f) Pepper was found to have a good stand on the coconut trees at Pilicode.

R. P. 74

The D.A. has stated that in view of the benefits derived by the public by the achievements of these stations, it is worthwhile to continue these stations, ~~for more number of years~~. He has accordingly ~~recorded~~ recommended that the Agrl. Research stations may be continued for a further period of one year from 1.3.56 to 28.2.57. The D.A. has also continued the Stations beyond 28.2.56 in anticipation of approval by the Govt. In the circumstances reported by the D.A. it is proposed to continue the stations for one year from 1.3.56 to 28.2.57 and also to ratify the action of the D.A. in having continued the Stations in anticipation of approval by the Govt. Fin. have

A

have agreed to the proposal.

1042

The case may be circulated to M.(A) (for approval of 'A' above) on S/C (F&E) on p-7 above and Ho. draft order on page 10 ante.

24.5.56

23/5/56

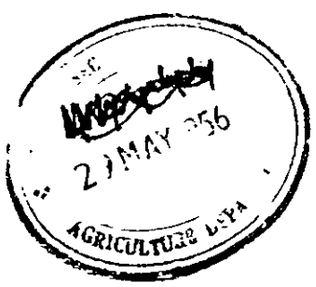
Secy.
25/5/56

M (A) 26.5.56

M (AH) 29.5.56

~~550~~

~~760~~



(Issued as GoMs 1372 Agri dt 30.5.56)